

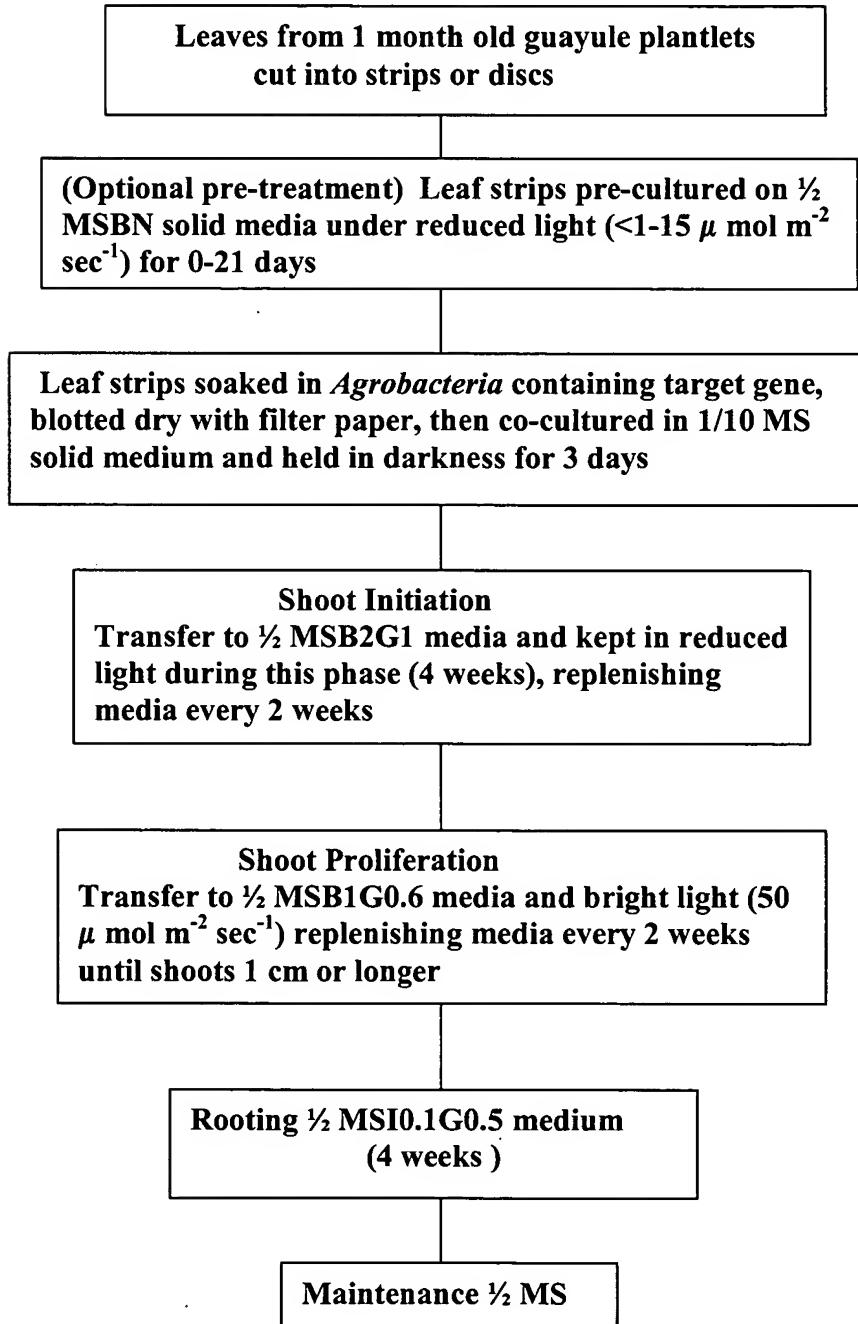
Guayule Leaf Strips Transformation Protocol

FIG. 1

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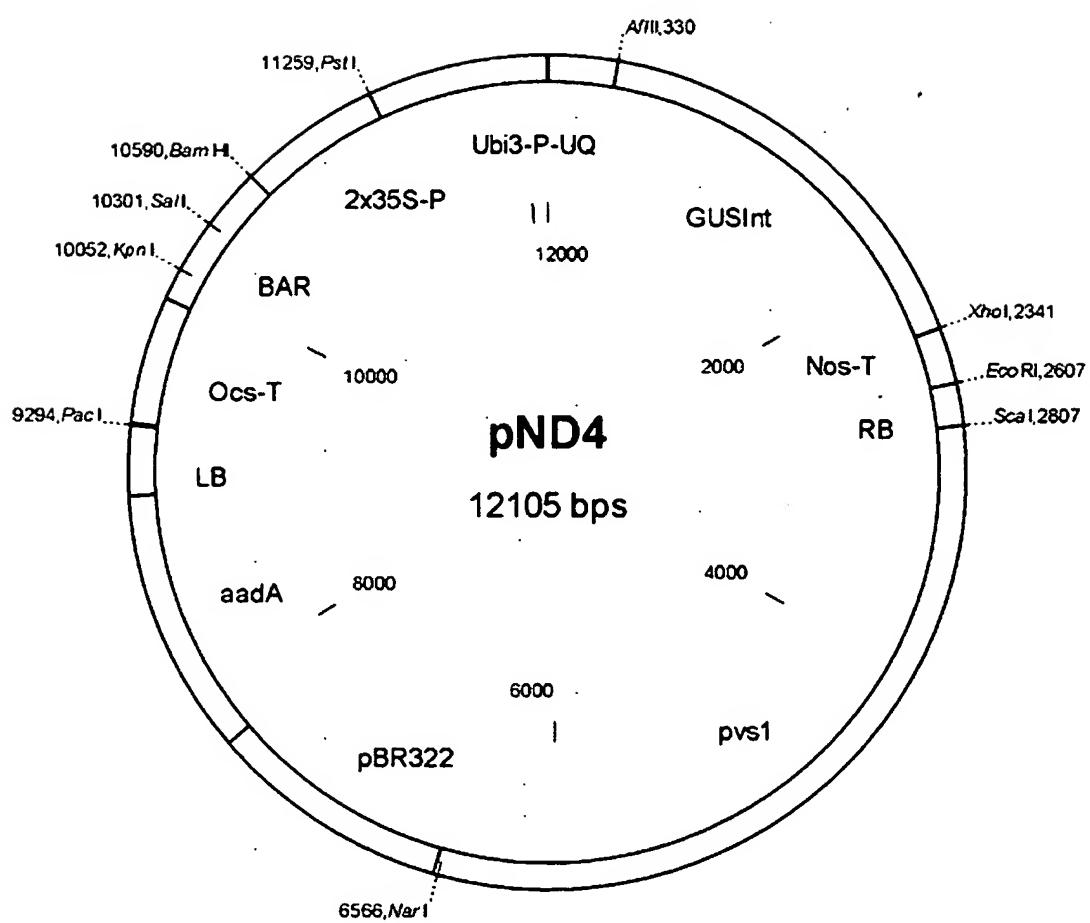


FIG. 2

Light Intensity in a Plate Stack

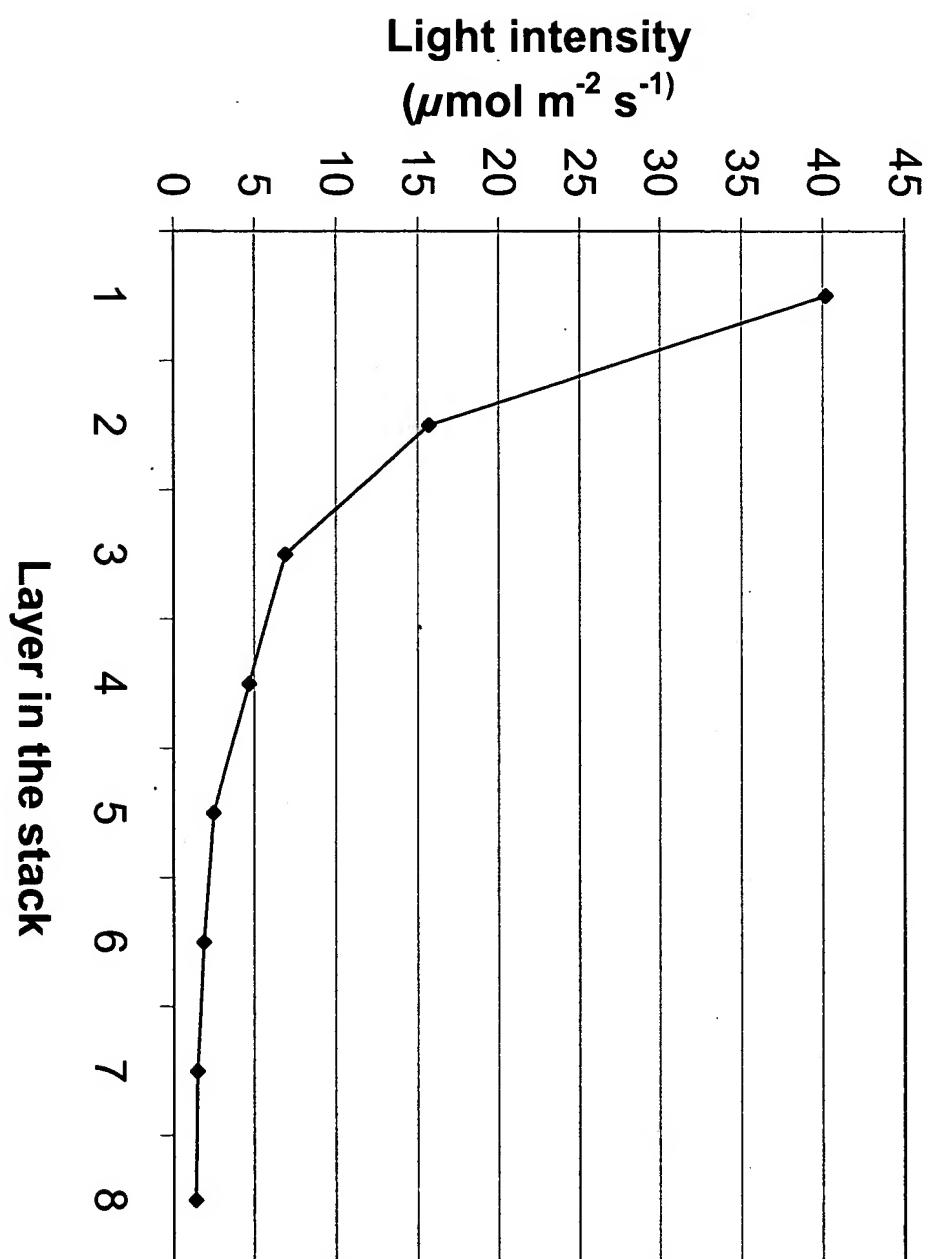
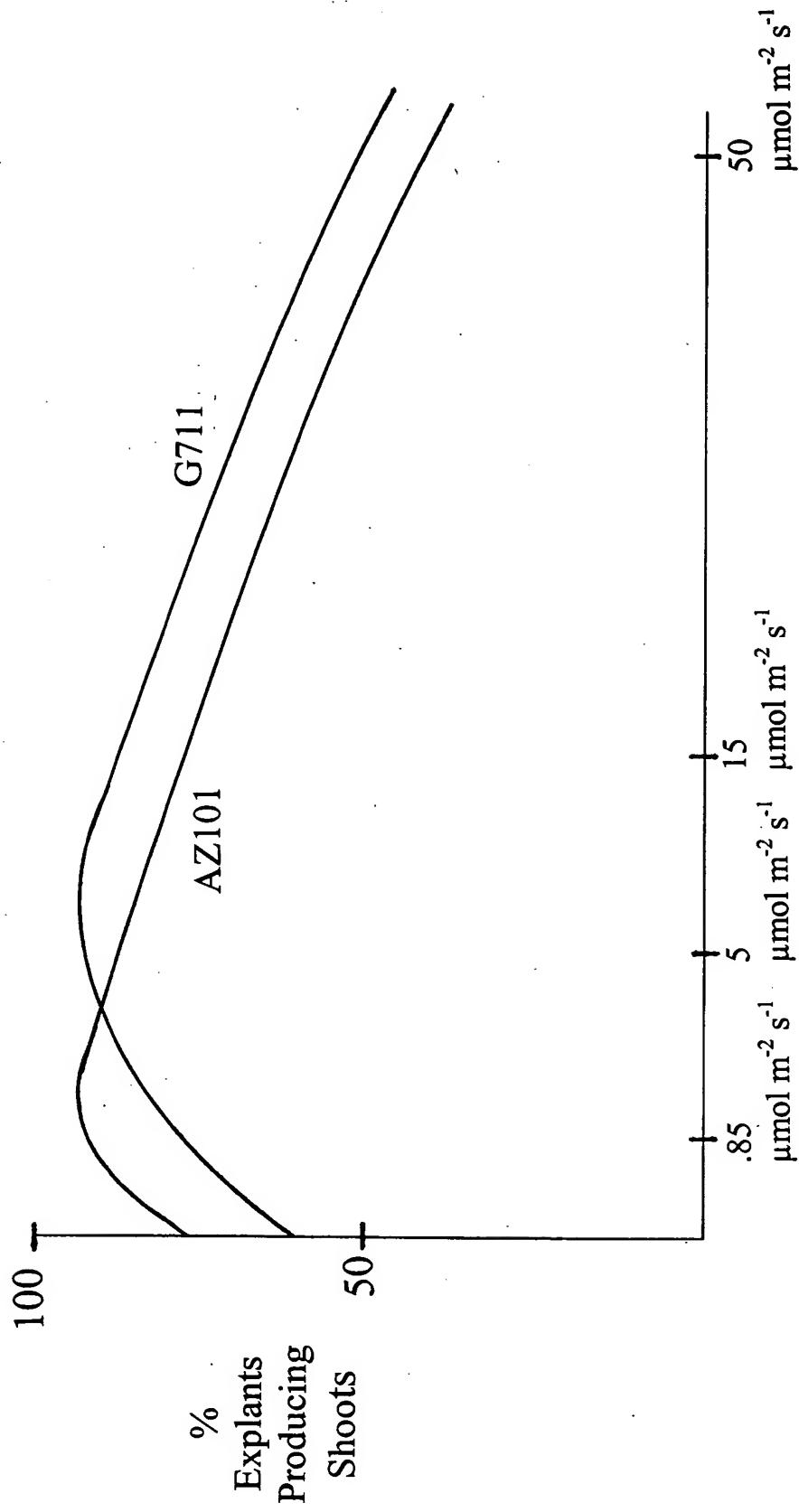


FIG. 3

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Light Level During Shoot Regeneration

FIG. 4

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Transformation Efficiency

10 % +

5 % +

1 % +

.5 % +

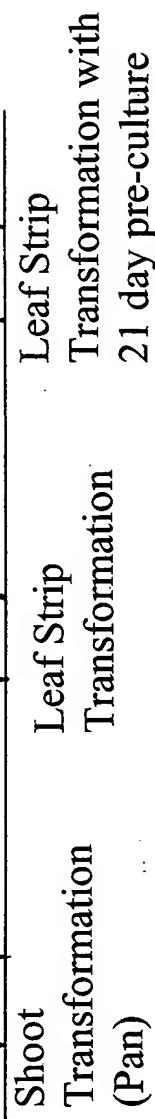


FIG. 5

1/2MSBN

CAISSON MS Salts	2.17 g
BA	0.2 mg
NAA	2.0 mg
Sucrose	15 g
pH	5.8
Agar	8 g

*****autoclave*****

Add

B5 Vitamin	1 ml
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1/10MSBN

CAISSON MS Salts	0.433 g
BA	2 mg
NAA	0.5 mg
glucose	10 g
MES	100 mg
pH	5.4
(For solid, add Gellan Gum	7 g)

*****autoclave*****

Add

B5 Vitamin	1 ml
Acetosyringon	1 ml
Pluronic F68 (10%)	5 ml

1/2MSB2G1

CAISSON MS Salts	2.17 g
KNO ₃	5 g
BA	2 mg
Sucrose	30 g
pH	5.8
Agar	8 g

*****autoclave*****

Add

B5 Vitamin	1 ml
CaCl ₂ (2.5M)	1 ml
MgSO ₄ (1 M)	2 ml
Timentin	200 mg

1/2MSB1G0.6

CAISSON MS Salts	2.17 g
KNO ₃	5 g
BA	1 mg
Sucrose	30 g
pH	5.8
Agar	8 g

*****autoclave*****

Add

B5 Vitamin	1 ml
CaCl ₂ (2.5M)	1 ml
MgSO ₄ (1 M)	2 ml
Timentin	100 mg

RootG0.5

CAISSON MS Salts	2.17 g
IBA	0.1 mg
Sucrose	15 g
pH	5.8
Agar	8 g

*****autoclave*****

Add

B5 Vitamin	1 ml
Timentin	100 mg
Glufosinate (50 mg/ml)	10 μ l

1/2MS

CAISSON MS Salts	2.17 g
Sucrose	15 g
pH	5.8
Agar	8

*****autoclave*****

Add

B5 Vitamin	1 ml
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